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SENATE COUNCIL

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TO: Larry Grabau
Associate Dean for Academic Programs

FROM: Kelly Webber
Director of Graduate Studies
Sandra Bastin
Chair, Department of Dietetics and Human Nutrition

DATE: February 21, 2014

RE: Revision of Hospitality and Dietetic Administration Graduate Program
to Masters of Science in Nutrition and Food Systems

Attached please find the paperwork required for revising of the Hospitality and Dietetic Administration graduate program to the Masters of Science in Nutrition and Food Systems, housed in the Department of Dietetics and Human Nutrition. The proposed changes include the following:

1. Change the name of the program from the Masters of Hospitality and Dietetics Administration to Masters of Science in Nutrition and Food Systems.
2. New graduate program admission guidelines.
3. Create a new set of "core" requirements for the renamed program, eliminating formal options, but maintaining a thesis or project option.
4. Create four new courses.
5. Identify support electives for the revised program.

Background

In 1999, the then Department of Nutrition and Food Science (now the Department of Dietetics and Human Nutrition - DHN) refocused its Masters program to develop its strengths in Dietetics and provide professional growth for a then growing pool of undergraduates in Hospitality Management and Tourism (HMT). The name of the program was a Masters degree in Hospitality and Dietetic Administration and provided two formal options, one with a focus in dietetics and one with a focus in hospitality. In fall 2011, the HMT major was transferred to the Department of Retailing and Tourism Management (RTM) causing a need for the degree to be



separated into two distinct Masters degrees and thus eliminating the need for two formal options.

No one can dispute the challenges and opportunities of the science of nutrition in the past decade. After surveying alumni and present graduate students, researching other advanced degrees from around the nation, researching programming in the state already offered (including at UK), and a discussion of faculty strengths in instruction, research and outreach, DHN faculty unanimously approved (vote 11/14/13) a program that reflects our desire to update and enhance our current program. The proposed new name of the graduate degree housed in DHN is the Masters of Science in Nutrition and Food Systems. The following description of the program is proposed.

Change in Program Name

The Masters of Science in Nutrition and Food Systems at the University of Kentucky, Department of Dietetics and Human Nutrition, provides a unique opportunity for students to obtain information and conduct research in the areas of nutrition and food systems from a local community, regional, national, and global perspective. The program encourages students to develop expertise in nutrition and food systems, applying practical and critical thinking skills to address nutrition-related problems in an evolving global society. Upon completion, students leave the program with the knowledge and skills to contribute to evidence-based best practices in their chosen nutrition-related profession.

Change in Graduate Admissions Policy

Part of the new graduate program is a change in the Department graduate admissions policy. The new guidelines include:

- A phone or in-person interview with the Director of Graduate Studies or Department Chair
- Minimum GPA 3.0; conditional admittance considered
- Submission of a technical scientific writing sample (student topic choice)

New Program Goal

To provide students with expertise in nutrition and food systems, applying practical and critical thinking skills to address nutrition-related problems in an evolving global society.

Student Learning Outcomes

At the end of the program, students will be able to:

1. Explain the mechanics of food systems as well as the goals, elements, and actions necessary to support and strengthen the systems
2. Investigate how food related policies affect food access, the health of communities, and vulnerable populations
3. Apply evidence-based nutrition and food systems information to solve practical problems among diverse populations and geographic settings
4. Develop, implement, and evaluate nutrition programs at the community, national, and global levels using interdisciplinary approaches

5. Promote healthy lifestyles through education, advocacy, and improved access to nutritious foods
6. Integrate nutrition principles into the treatment and prevention of chronic disease
7. Analyze and apply research methods within a variety of nutrition and food systems studies and settings
8. Generate new knowledge through research in nutrition and food systems
9. Implement diagnostic measures through the nutrition care process to critical evaluations and resolution of major nutrition problems.

Program Description

The Department of Dietetics and Human Nutrition seeks to educate students using a multidisciplinary approach in nutrition and food systems. The 17 hour graduate-level core emphasizes contemporary nutrition topics, such as research methods and health behavior theories, community programming and intervention development, food systems, chronic disease diagnosis and process related to lifestyle behaviors, statistics, and a nutrition and food systems seminar. The core is intended to emphasize the impacts of food systems and diet on human health while exploring strategies to reduce the risk of chronic disease among individuals and communities.

A student may choose the Plan A - Thesis or Plan B - Project. The thesis requires the 17-hour core, seven hours of electives to explore areas of personal interest, six additional hours of research credit and a written thesis and oral defense. The project requires the 17-hour core, 13 hours of electives, six additional hours of special problems, six additional hours of research credit and a project presentation and exam. The Master of Science program prepares students for careers in community, education, government, industry, non-profit, health care or private practice settings.

Core Courses – 17 hours

1. DHN 600 Research Methods in Nutrition and Food Systems - 3 credit hours
2. DHN 603 Advanced Community Program Development – 3 credit hours
3. DHN 605 Food Systems and Society – 3 credit hours
4. DHN 608 Chronic Disease Management and Process- 3 credit hours
5. DHN 774 Seminar in Nutrition and Food Systems – 3 credit hours
6. STA 671 Regression and Correlation – 2 credits

* A 500-level statistics course is a pre-requisite to the graduate program and may be taken during the existing graduate program.

New Core Requirements

Objective	Core Course
Explain the mechanics of food systems, including the ethical, economical, and environmental factors that affect local, regional, national, and global food system development	DHN 605 Food Systems and Society

Investigate how food related policies affect food access, the health of communities, and vulnerable populations	DHN 605 Food Systems and Society
Apply evidence-based nutrition and food systems information to solve practical problems among diverse populations and geographic settings	DHN 603 Advanced Community Program Development
Develop, implement, and evaluate nutrition programs at the community, national, and global levels using interdisciplinary approaches	DHN 603 Advanced Community Program Development
Promote healthy lifestyles through education, advocacy, and improved access to nutritious foods	DHN 603 Advanced Community Program Development
Integrate nutrition fundamentals into the treatment and prevention of chronic disease	DHN 608 Chronic Disease Management and Process
Implement diagnostic measures through the nutrition care process to critical evaluations and resolution of major nutrition problems.	DHN 608 Chronic Disease Management and Process
Analyze and apply research methods within a variety of nutrition and food systems studies and settings	DHN 600 Research Methods in Nutrition and Food Systems and DHN 774 DHN Seminar in Nutrition and Food Systems STA 671 Regression and Analysis
Generate new knowledge through research in nutrition and food systems	DHN 600 Research Methods in Nutrition and Food Systems and DHN 774 DHN Seminar in Nutrition and Food Systems

New Core Requirement Descriptions

DHN 600 Research Methods in Nutrition and Food Systems. (3)

Students will study accepted research methodologies and scientific approaches in human nutrition and food systems. Emphasis is placed on understanding the research methods, study design, data collection, and evaluation of various nutrition related studies. Discussions include

development of research aims and hypothesis, internal review board, collecting of primary and secondary data, measurement approaches, study designs, and key considerations in developing a thesis for publication.

Prerequisite: Admission to graduate program and selection of graduate faculty mentor with approved research topic.

DHN 605 Food Systems and Society (3)

Food Systems and Society tracks food from farm to table, including growing, harvesting, processing, packaging, transporting, marketing, consumption, and disposal. Policy and culture determine who eats what and who benefits and loses in any given food system. As a result food systems vary considerably across the world with each evolving to affect overall health. The course will assess sustainability of food systems and explore the ethical, economical, socio-ecological, and environmental factors that affect local, regional, national, and global food system development. Content includes case study evaluations and current research in the field.

Prerequisite: Graduate standing.

DHN 608 Chronic Disease Management and Process (3)

This course focuses on the etiology and pathophysiology of nutrition-related chronic diseases and conditions including obesity, hypertension, dyslipidemia, heart disease, diabetes, and cancer. Emphasis is placed on the biochemical and physiological mechanisms involved by which nutrients impact the prevention, nutrition care process-diagnosis, assessment, implementation of care, monitoring and evaluation, and progression of chronic diseases and conditions.

Prerequisite: Graduate standing and minimum 3 credit hours of upper level advanced nutrition or DHN 510.

DHN 774 Seminar in Nutrition and Food Systems (3)

This advanced participatory seminar focuses on the latest in nutrition and food systems research. Students will be expected to apply their knowledge of effective scientific communication, responsible conduct of research, and methods and technologies in nutrition and food systems through weekly readings, presentations, and class discussions.

Prerequisite: Graduate standing and upper level graduate statistics.

Core Description of Courses with No Changes in This Proposal

DHN 603 Advanced Community Program Development

The course focuses on concepts and theories of program development, use of planned goals and objectives such as Healthy Communities goals and objectives, use of data from national monitoring, survey and surveillance programs, and community assessment to guide decision making for program development. Program marketing, staffing formulas, and grant writing and grant management, cost analysis and cost effectiveness reporting, and formative and summative evaluation of community programs complete the study.

Prerequisite: Admission to graduate program.

STA 671 Regression and Analysis

Support (Elective) Courses in the Department of Dietetics and Human Nutrition

DHN 607	Food Related Behaviors – 3 credit hours
DHN 784	Special Problems in Financial Management – 3 credit hours
DHN 690	Advanced Work in Dietetics – 3 credit hours
DHN 620	Nutrition and Aging – 3 credit hours
DHN 630	Advanced Community Nutrition – 3 credit hours
DHN 640	Human Nutrition: Assessment – 3 credit hours

Currently, students may choose electives outside the department with permission from the instructor. Traditionally the Departments of Nutritional Sciences, Kinesiology, and Public Health have supported each other's students to meet their interests and needs with permission of the instructor.

Graduate Degree Change Proposal
Department of Dietetics and Human Nutrition
College of Agriculture, Food and Environment
University of Kentucky

January 2014

Since the Hospitality, Management and Tourism major was moved into the Department of Retailing and Tourism Management (RTM), the Department of Dietetics and Human Nutrition (DHN) seeks to change the existing Master's in Hospitality and Dietetic Administration to a Masters of Science in Nutrition and Food Systems. After surveying alumni and present graduate students, researching other advanced degrees from around the nation, researching programming in the state already offered, and a discussion of faculty strengths in instruction, research and outreach, DHN faculty unanimously approved (vote 11/14/13) a program that reflects our desire to update and enhance our current program. The graduate program will still offer a Plan A - Thesis (24 credit hours plus thesis and oral defense) or Plan B - Project (36 credits plus oral presentation and exam) for program completion. The proposal includes a letter from the Department Chair and Director of Graduate Studies, the Signature Routing Log and the Change Master's Degree Program Form.

Current Dietetics Administration Requirements		ACTION	New Nutrition and Food Systems Requirements		
Current Prefix/#	Current Course Name		New Prefix/#	New Course Name	Credit Hours
DHN 648	Management of Hospitality & Dietetics Organizations	Drop Requirement			
DHN 690	Advanced Work in Dietetics	Drop Requirement			
DHN 772	Current Topics in Hospitality & Dietetics Administration	Drop Requirement			
DHN 784	Special Problems in Financial Management	Drop Requirement			
HES 600	Research Methods in HES	Create New Course	DHN 600	Research Methods in Nutrition and Food Systems	3
DHN 770	Seminar in Hospitality and Dietetics Administration	Create New Course	DHN 774	Seminar in Nutrition and Food Systems	3
		Create New Course	DHN 605	Food Systems and Society	3
		Create New Course	DHN 608	Chronic Disease Management and Process	3
STA 570	Basic Statistical Analysis	Drop Requirement; STA 500-level course a prerequisite to program			
STA 671	Regression & Correlation	No Change	STA 671	Regression & Correlation	2
DHN 603	Advanced Community Program Development	No Change	DHN 603	Advanced Community Program Development	3
Thesis Requirement					
DHN 768	Resident Credit for Masters Degree	No Change	DHN 768	Resident Credit for Masters Degree	6

Project Requirements

DHN 768	Resident Credit for Masters Degree	No Change	DHN 768	Resident Credit for Masters Degree	6
DHN 782	Special Problems	Minor Change Add to curriculum as requirement Project route	DHN 782	Special Problems	6

Support Courses Available as Electives Within the Department of Dietetics and Human Nutrition

DHN 607	Food Related Behaviors	No Action Required	3
DHN 784	Special Problems in Financial Management	No Action Required	3
DHN 690	Advanced Work in Dietetics	No Action Required	3
DHN 620	Nutrition and Aging	No Action Required	3
DHN 630	Advanced Community Nutrition	No Action Required	3
DHN 640	Human Nutrition: Assessment	No Action Required	3

CHANGE MASTERS DEGREE PROGRAM FORM

1. GENERAL INFORMATION

College:	College of Agriculture, Food and Environment	Department:	Dietetics and Human Nutrition		
Current Major Name:	Dietetics Administration	Proposed Major Name:	Nutrition and Food Systems		
Current Degree Title:	Hospitality and Dietetics Administration	Proposed Degree Title:	M.S. Nutrition and Food Systems		
Formal Option(s):	Hospitality Administration or Dietetics Administration	Proposed Formal Option(s):	none		
Specialty Fields w/in Formal Option:	none	Proposed Specialty Fields w/in Formal Options:	none		
Date of Contact with Associate Provost for Academic Administration ¹ :		Dr. Jeanine Blackwell - 6/17/13			
Bulletin (yr & pgs):	Spring 2013, pp 226-228	CIP Code ¹ :	19.0501	Today's Date:	1/11/14
Accrediting Agency (if applicable):					
Requested Effective Date:	<input checked="" type="checkbox"/> Semester following approval.		OR	<input type="checkbox"/> Specific Date ² :	
Dept. Contact Person:	Kelly Webber	Phone:	257-4351	Email:	kelly.webber@uky.edu

2. CHANGE(S) IN PROGRAM REQUIREMENTS

		<u>Current</u>	<u>Proposed</u>
1.	Number of transfer credits allowed (Maximum is Graduate School limit of 9 hours or 25% of course work)	9	9
2.	Residence requirement (if applicable)	none	none
3.	Language(s) and/or skill(s) required		
4.	Termination criteria	none	none
5.	Plan A Degree Plan requirements ³ (thesis)	Core Curriculum -Dietetic Administration - 15 credits HES 600 Research Methods - 3 credits DHN 648 Management of Hospitality & Dietetics Organizations - 3 credits DHN 770 Seminar in Hospitality & Dietetics Administration - 1 credit DHN 772 Current Topics in Hospitality & Dietetics	<i>Core Curriculum - Nutrition and Food Systems</i> <i>DHN 600 (formerly HES 600) Research Methods - 3 credits</i> <i>DHN 603 (no change) Advanced Community Program Development - 3 credits</i> <i>DHN 605 (new course) Food Systems and Society - 3 credits</i>

¹ Prior to filling out this form, you MUST contact the Associate Provost for Academic Administration (APAA). If you do not know the CIP code, the APAA can provide you with that during the contact.

² Program changes are typically made effective for the semester following approval. No changes will be made effective until all approvals are received.

³ If there is only one plan for the degree, plans involving a thesis (or the equivalent in studio work, etc.) should be discussed under Plan A and those not involving a thesis should be discussed under Plan B.

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		<p>Administration - 2 credits STA 570 Basic Statistical Analysis - 4 credits STA 671 Regression & Correlation - 2 credits</p> <p>Prescribed Courses for Dietetic Administration Option - 9 credits DHN 603 Advanced Community Program Development - 3 credits DHN 784 Special Problems in Financial Management - 3 credits DHN 690 Advanced Work in Dietetics - 3 credits</p> <p>DHN 748 Master's Thesis Research - 6 credits extra allowed</p> <p>DHN 768 Resident Credit for Master's Degree - 6 credits</p> <p>Completed thesis with oral defense and 24 credits required for graduation</p>	<p><i>DHN 608 (new course) Chronic Disease Management and Process - 3 credits</i> <i>DHN 770 (change in name and credits) Seminar in Nutrition and Food Systems - 3 credits</i></p> <p><i>Electives (in a related field) - 9 credits*</i></p> <p><i>Prerequisites: STA 500-level or above course which may be taken during graduate program</i> <i>STA 671 Regression & Correlation - 2 credits</i></p> <p><i>DHN 748 Master's Thesis Research - 6 credits extra allowed</i></p> <p><i>DHN 768 Resident Credit for Master's Degree - 6 credits</i></p> <p><i>Completed thesis with oral defense and 24 credits required for graduation</i></p> <p><i>*There are still other DHN courses that will be offered for elective choices</i></p>
6.	Plan B Degree Plan requirements ³ (non-thesis)	<p>Core Curriculum -Dietetic Administration - 15 credits HES 600 Research Methods - 3 credits DHN 648 Management of Hospitality & Dietetics Organizations - 3 credits DHN 770 Seminar in Hospitality & Dietetics Administration - 1 credit DHN 772 Current Topics in Hospitality & Dietetics Administration - 2 credits STA 570 Basic Statistical Analysis - 4 credits STA 671 Regression & Correlation - 2 credits</p> <p>Prescribed Courses for Dietetic Administration Option - 9 credits DHN 603 Advanced</p>	<p><i>Core Curriculum - Nutrition and Food Systems</i> <i>DHN 600 (formerly HES 600) Research Methods - 3 credits</i> <i>DHN 603 (no change) Advanced Community Program Development - 3 credits</i> <i>DHN 605 (new course) Food Systems and Society - 3 credits</i> <i>DHN 608 (new course) Chronic Disease Management and Process - 3 credits</i> <i>DHN 770 (change in name and credits) Seminar in Nutrition and Food Systems - 3 credits</i></p> <p><i>DHN 782 Special Problems - 6 credits</i></p>

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		<p style="text-align: center;">Community Program Development - 3 credits DHN 784 Special Problems in Financial Management - 3 credits DHN 690 Advanced Work in Dietetics - 3 credits</p> <p style="text-align: center;">Electives (in a related field) - 12 credits</p> <p style="text-align: center;">DHN 768 Resident Credit for Master's Degree - 6 credits</p> <p style="text-align: center;">Completed project and oral defense and 36 credits required for graduation</p>	<p style="text-align: center;"><i>Electives (in a related field) - 13 credits*</i></p> <p style="text-align: center;"><i>DHN 768 Residence Credit for Master's Degree - 6 credits</i></p> <p style="text-align: center;"><i>Prerequisites: DHN STA 500 level or above course which may be taken during graduate program</i></p> <p style="text-align: center;"><i>STA 671 Regression & Correlation - 2 credits</i></p> <p style="text-align: center;"><i>Completed project and oral defense and 36 credits required for graduation</i></p> <p style="text-align: center;"><i>*There are still other DHN courses that will be offered as elective choices.</i></p>
7.	Distribution of course levels required	At least 50% must be at 600+ level and 50% must be organized courses.	At least two thirds of courses must be at 600+ level and two thirds must be organized courses.
	(At least one-half must be at 600+ level & two-thirds must be in organized courses.)		
8.	Required courses (if applicable)	See course list above	See course list above
9.	Required distribution of courses within program (if applicable)	none	none
10.	Final examination requirements	Written Thesis/Project and oral defense	Written Thesis/Project and oral defense
11.	Explain whether the proposed changes to the program (as described in sections 1 to 10) involve courses offered by another department/program. <u>Routing Signature Log must include approval by faculty of additional department(s).</u>		
	The proposed changes do not involve courses offered by another program/department. (Currently, students may choose electives outside the department with permission from the instructor.)		
12.	List any other requirements not covered above?		
	none		
13.	Please explain the rationale for changes. If the rationale involves accreditation requirements, please include specific references to those requirements.		
	See additional material		

CHANGE MASTERS DEGREE PROGRAM FORM

Signature Routing Log

General Information:

Proposal Name: DHN Hospitality & Dietetics Administration MS

Proposal Contact Person Name: Kelly Webber, DGS Phone: 257-4351 Email: kelly.webber@uky.edu

INSTRUCTIONS:

Identify the groups or individuals reviewing the proposal; note the date of approval; offer a contact person for each entry; and obtain signature of person authorized to report approval.

Internal College Approvals and Course Cross-listing Approvals:

Reviewing Group	Date Approved	Contact Person (name/phone/email)	Signature
DHN Graduate Faculty Committee	11/14/13	Sandra Bastin, Chair / 257-3800 / sbastin@uky.edu	
CAFE Graduate Curriculum Committee	2/21/14	Larry Grabau, Associate Dean / 257-3469 / larry.grabau@uky.edu	
		/ /	
		/ /	
		/ /	

External-to-College Approvals:

Council	Date Approved	Signature	Approval of Revision ⁴
Undergraduate Council			
Graduate Council	3/6/14	<i>Roshan Nikou</i>	
Health Care Colleges Council			
Senate Council Approval		University Senate Approval	

Comments:

From DHN: Since the Hospitality, Management and Tourism major was moved into the Department of Retailing and Tourism Management (RTM), the Department of Dietetics and Human Nutrition (DHN) seeks to change the existing Master's in Hospitality and Dietetic Administration to a Master's of Science in Nutrition and Food Systems. After surveying alumni and present graduate students, researching other advanced degrees from around the nation, researching programming in the state already offered, and a discussion of faculty strengths in instruction, research and outreach, DHN faculty unanimously approved (vote 11/14/13) a program that reflects our desire to update and enhance our current program.

⁴ Councils use this space to indicate approval of revisions made subsequent to that council's approval, if deemed necessary by the revising council.